

Work Order ID 127162 - 2  
Tuesday, December 09, 2014 3:41:10 PM

\*127162\*

Page 1

Item ID: D350-689-013

Revision ID:

Item Name: Floor Provisions

Start Date: 12/9/2014 Start Qty: 1.00

Required Date: 12/19/2014 Req'd Qty: 1.00

Reference:

Accept

\*N900040100\*

Setup Start \*NS1\*

Stop \*NS2\*

Cust Item ID:

Customer:

Approvals: Process Plan: CMC Date: 14-12- Tooling: \_\_\_\_\_ Date: \_\_\_\_\_  
QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_

Run Start \*NR1\*  
Stop \*NR2\*

| Sequence ID/<br>Work Center ID | Operation<br>Description                                       | Set Up/<br>Run Hours | Tool ID | Tool # | Plan<br>Code | Accept<br>Qty | Reject<br>Qty | Reject<br>Number | Insp.<br>Stamp |
|--------------------------------|----------------------------------------------------------------|----------------------|---------|--------|--------------|---------------|---------------|------------------|----------------|
| Draw Nbr                       | Revision Nbr                                                   |                      |         |        |              |               |               |                  |                |
| DSI9588                        | B                                                              |                      |         |        |              |               |               |                  |                |
| IIN D350-689                   | B                                                              |                      |         |        |              |               |               |                  |                |
| 100                            | Document Control                                               | 0.00                 |         |        |              |               |               |                  |                |
| *100*                          | DOCUMENT CONTROL                                               |                      |         |        |              |               |               |                  |                |
| DC                             | Memo                                                           | 0.00                 |         |        |              |               |               |                  |                |
| Doc.Control -USB or Paperwork  | Photocopy D350-689 bluefile & type labels per PPP D350-689-013 |                      |         |        |              |               |               |                  |                |
|                                | CHG 005                                                        |                      |         |        |              |               |               |                  |                |
| 101                            | Pick Kit                                                       | 0.00                 |         |        |              |               |               |                  |                |
| *101*                          |                                                                |                      |         |        |              |               |               |                  |                |
| Packaging                      | Memo                                                           | 0.00                 |         |        |              |               |               |                  |                |
| Packaging                      |                                                                |                      |         |        |              |               |               |                  |                |

QC 4. 2x DAS 46 DEC 22 2014  
O.RQ

2x

DAS  
46  
9-89

DEC 22 2014

3x

DAS  
26  
9-89

DEC 17 2014

# Work Order ID 127162

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**\*127162\***

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Item ID: D350-689-013 Accept **\*N900040100\*** Setup Start **\*NS1\***  
 Revision ID: Stop **\*NS2\***  
 Item Name: Floor Provisions  
 Start Date: 12/9/2014 Start Qty: 1.00 **\*1\*** Cust Item ID:  
 Required Date: 12/19/2014 Req'd Qty: 1.00 **\*1\*** Customer:  
 Reference:

Approvals: Process Plan: \_\_\_\_\_ Date: \_\_\_\_\_ Tooling: \_\_\_\_\_ Date: \_\_\_\_\_ Run Start **\*NR1\***  
 QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_ Stop **\*NR2\***

| Sequence ID/<br>Work Center ID | Operation<br>Description                               | Set Up/<br>Run Hours | Tool ID | Tool # | Plan<br>Code | Accept<br>Qty     | Reject<br>Qty | Reject<br>Number | Insp.<br>Stamp |
|--------------------------------|--------------------------------------------------------|----------------------|---------|--------|--------------|-------------------|---------------|------------------|----------------|
| 110                            | QC4- 100% Inspect kits for completeness                | 0.00                 |         |        |              | DAS<br>46<br>0.00 |               |                  |                |
| <b>*110*</b>                   |                                                        | 0.00                 |         |        |              |                   |               |                  |                |
| QC                             | Memo                                                   |                      |         |        |              |                   |               |                  |                |
| Quality Control                |                                                        |                      |         |        |              |                   |               |                  |                |
| 120                            |                                                        | 0.00                 |         |        |              |                   |               |                  |                |
| <b>*120*</b>                   | Packaging                                              | 0.00                 |         |        |              |                   |               |                  |                |
| Packaging                      | Memo                                                   |                      |         |        |              |                   |               |                  |                |
| Packaging                      | Identify and pack for shipping as per PPP D350-689-013 |                      |         |        |              |                   |               |                  |                |
|                                | Location: <u>028</u>                                   |                      |         |        |              |                   |               |                  |                |
|                                | PPP Rev: _____                                         |                      |         |        |              |                   |               |                  |                |
| 130                            | QC21- Final Inspection - Work Order Release            | 0.00                 |         |        |              |                   |               |                  |                |
| <b>*130*</b>                   |                                                        | 0.00                 |         |        |              |                   |               |                  |                |
| QC                             | Memo                                                   |                      |         |        |              |                   |               |                  |                |
| Quality Control                |                                                        |                      |         |        |              |                   |               |                  |                |

DEC 22 2014

2 DAS  
06  
9-89  
DEC 22 2014

15/1/59  
mf  
14-12-22

# Picklist Print

Tuesday, December 09, 2014 3:41:09 PM

Page 1

Work Order ID: 127162

**\*127162\***

Parent Item: D350-689-013

**\*D350-689-013\***

Parent Item Name: Floor Provisions

Start Date: 12/9/2014

Required Date: 12/19/2014

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP rev D 06.02.07 Re-format ec  
 IPP rev E 06.02.28 Fixed typo ec  
 IPP rev F 07.01.02 per dsi 9311 ec  
 10.06.07 remove qty 1 D3033-1 DD verf:EC IPP Rev:G  
 PER IIN REV B DD VERF:EC IPP REV:H 11.11.17  
 ECN11-674 DD VERF:EC IPP REV:I 11.11.24 AS PER  
 REV B DD VERF:JLM IPP REV:J 12.11.20 AS PER DSI9588

| Component Item ID/<br>Item Name               | Replacement<br>Item ID | Mfg/<br>Purch | Bin<br>Item | Primary<br>Location | Last<br>Location | Route<br>Seq ID | Unit of<br>Measure | Qty on<br>Hand | Qty per Kit | Total<br>Qty | Qty<br>Issued | Date<br>Issued    | Status            |
|-----------------------------------------------|------------------------|---------------|-------------|---------------------|------------------|-----------------|--------------------|----------------|-------------|--------------|---------------|-------------------|-------------------|
| D4575-3                                       |                        | Manufactured  | No          |                     |                  | 110             | Each               | 5.0000         | 1           | 13           |               |                   |                   |
| <b>*D4575-3*</b><br>Doubler<br>46<br>9-89     |                        |               |             |                     |                  |                 |                    |                |             |              |               |                   |                   |
|                                               |                        |               |             | <u>Location</u>     |                  |                 | <u>Loc Qty</u>     |                |             |              |               |                   |                   |
|                                               |                        |               |             | ST258               |                  |                 | 5                  |                |             |              |               | DAS<br>28<br>9-89 | DEC 18 2014       |
|                                               |                        |               |             | 107967              |                  |                 | 1                  |                |             |              |               |                   |                   |
|                                               |                        |               |             | 122915              |                  |                 | 4                  |                |             |              |               |                   |                   |
| D3025-1                                       |                        | Manufactured  | No          |                     |                  | 110             | Each               | 5.0000         | 1           | 13           |               |                   |                   |
| <b>*D3025-1*</b><br>Beam<br>DAS<br>46<br>9-89 |                        |               |             |                     |                  |                 |                    |                |             |              |               |                   |                   |
|                                               |                        |               |             | <u>Location</u>     |                  |                 | <u>Loc Qty</u>     |                |             |              |               |                   |                   |
|                                               |                        |               |             | ST483               |                  |                 | 5                  |                |             |              |               | DAS<br>28<br>9-89 | DAS<br>06<br>9-89 |
|                                               |                        |               |             | 110947              |                  |                 | 3                  |                |             |              |               |                   |                   |
|                                               |                        |               |             | 116910              |                  |                 | 2                  |                |             |              |               |                   |                   |
| D4575-1                                       |                        | Manufactured  | No          |                     |                  | 110             | Each               | 6.0000         | 1           | 13           |               |                   |                   |
| <b>*D4575-1*</b><br>Beam<br>DAS<br>46<br>9-89 |                        |               |             |                     |                  |                 |                    |                |             |              |               |                   |                   |
|                                               |                        |               |             | <u>Location</u>     |                  |                 | <u>Loc Qty</u>     |                |             |              |               |                   |                   |
|                                               |                        |               |             | ST258               |                  |                 | 6                  |                |             |              |               | DAS<br>28<br>9-89 | DAS<br>06<br>9-89 |
|                                               |                        |               |             | 113357              |                  |                 | 5                  |                |             |              |               |                   |                   |
|                                               |                        |               |             | 115771              |                  |                 | 1                  |                |             |              |               |                   |                   |

# Picklist Print

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Work Order ID: 127162

**\*127162\***

Parent Item: D350-689-013

**\*D350-689-013\***

Parent Item Name: Floor Provisions

Start Date: 12/9/2014

Required Date: 12/19/2014

Start Qty: 1.00

Required Qty: 1.00

D3027-1

Manufactured No

110

Each

12.0000

**\*D3027-1\***

Clip

\*\*

DAS  
28  
9-89

DEC 18 2014

Location

Loc Qty

Loc Code

ST015

12

12

D3027-3

Manufactured No

110

Each

4.0000

**\*D3027-3\***

Clip

DAS  
46  
9-89

\*\*

DAS  
28  
9-89

DAS  
28  
9-89

Location

Loc Qty

Loc Code

ST015

4

4

D3027-5

Manufactured No

110

Each

8.0000

**\*D3027-5\***

Clip

DAS  
46  
9-89

\*\*

DAS  
28  
9-89

DAS  
28  
9-89

Location

Loc Qty

Loc Code

ST015

8

2

D3027-7

Manufactured No

110

Each

3.0000

**\*D3027-7\***

Clip

DAS  
46  
9-89

\*\*

DAS  
28  
9-89

DAS  
28  
9-89

Location

Loc Qty

Loc Code

ST015

3

3

117022

# Picklist Print

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Work Order ID: 127162

**\*127162\***

Parent Item: D350-689-013

**\*D350-689-013\***

Parent Item Name: Floor Provisions

Start Date: 12/9/2014

Required Date: 12/19/2014

Start Qty: 1.00

Required Qty: 1.00

D3032-1 Manufactured No

110 Each 18.0000

**\*D3032-1\***

Spacer DAS  
46  
9-89

Location

Loc Qty

Loc Code

ST256

18

113083

18

\*\*

DAS

28

9-89

DEC 18 2014

D3033-1 Manufactured No

110 Each 1.0000

**\*D3033-1\***

Seat Track DAS  
46  
9-89

Location

Loc Qty

Loc Code

ST256

1

110774

1

\*\*

DAS

28

9-89

D3234-1 Manufactured No

110 Each 7.0000

**\*D3234-1\***

Doubler DAS  
46  
9-89

Location

Loc Qty

Loc Code

ST486

7

110136

3

125165

4

\*\*

DAS

28

9-89

D3234-5 Manufactured No

110 Each 12.0000

**\*D3234-5\***

Spacer DAS  
46  
9-89

Location

Loc Qty

Loc Code

ST030

12

113119

12

\*\*

DAS

28

9-89

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Work Order ID: 127162

**\*127162\***

Parent Item: D350-689-013

**\*D350-689-013\***

Parent Item Name: Floor Provisions

Start Date: 12/9/2014

Required Date: 12/19/2014

Start Qty: 1.00

Required Qty: 1.00

MS21059L3

Purchased

No

110

Each

257.0000

12

1236

\*\*

DAS  
06  
1-89  
DAS  
288  
9-89

**\*MS21059L3\***

Nut-Plate  
DAS  
46  
Q-8Q

Location

Loc Qty

Loc Code

CA

9

M129682

9

ST303

248

M130823

248

MS24693-S273

Purchased

No

110

Each

621.0000

2

36  
24

\*\*

DAS  
06  
1-89  
DAS  
288  
9-89

**\*MS24693-S273\***

Screw  
DAS  
46  
Q-8Q

Location

Loc Qty

Loc Code

CA

92

M129682

92

ST292

529

100151

449

117291

80

MS27039-1-10

Purchased

No

110

Each

710.0000

6

18

\*\*

DAS  
06  
1-89  
DAS  
288  
9-89

**\*MS27039-1-10\***

SCREW  
DAS  
46  
Q-8Q

Location

Loc Qty

Loc Code

ST285

710

m126474

1

m128179

1

m128401

37

m128635

39

m129541

193

m130358

439

DEC 17 2014

DAS  
06  
1-89  
DAS  
288  
9-89

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Shop Packet Print

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# Picklist Print

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Work Order ID: 127162

**\*127162\***

Parent Item: D350-689-013

**\*D350-689-013\***

Parent Item Name: Floor Provisions

Start Date: 12/9/2014

Required Date: 12/19/2014

Start Qty: 1.00

Required Qty: 1.00

NAS1149D0332J

Purchased

No

110

Each

1,794.000

6 6/8X

DAS  
28  
9-89

**\*NAS1149D0332J\***

Washer

DAS  
46  
9-89

Location

Loc Qty

Loc Code

CA

33

m129682

33

FP001

800

m130325

800

ST260a

843

m130325

843

ST269

118

m128612

93

m129624

25

DEC 17 2014

DAS  
28  
9-89

18 12

DAS  
46  
9-89**4.0 PARTS LIST CHANGE**

The parts list of D350-689-021/-023 at CHG 005/004 or later is amended as follows:

**5. PARTS LIST (IIN-D350-689)  
25.10 PARTS LIST (ICA-D350-689)****IS:**

| Qty<br>-011 | Qty<br>-013 | Qty<br>-015 | Qty<br>-017 | Qty<br>-019 | Qty<br>-021 | Qty<br>-023 | Qty<br>-041 | Qty<br>-043 | Part Number  | Description                                |
|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|--------------------------------------------|
| X           |             |             |             |             |             |             |             |             | D350-689-011 | DUAL HIGH BACK SEAT<br>INSTALLATION, LH    |
| 1           | X           |             |             |             |             |             |             |             | D350-689-013 | FLOOR PROVISIONS KIT                       |
|             |             | X           |             |             |             |             |             |             | D350-689-015 | SEAT MODIFICATION KIT                      |
|             |             |             | X           |             |             |             |             |             | D350-689-017 | SHOULDER HARNESS KIT                       |
|             |             |             |             | X           |             |             |             |             | D350-689-019 | CONTROL GUARD KIT                          |
|             |             |             |             |             | X           |             |             |             | D350-689-021 | DUAL HIGH BACK SEAT<br>INSTALLATION, LH    |
|             |             |             |             |             | 1           | X           |             |             | D350-689-023 | ENERGY ATTENUATING FLOOR<br>PROVISIONS KIT |
| 1           |             |             |             |             |             |             | X           |             | D350-689-041 | DUAL HIGH BACK SEAT ASSEMBLY               |
|             |             |             |             |             | 1           |             |             | X           | D350-689-043 | DUAL HIGH BACK SEAT ASSEMBLY               |
|             |             |             |             |             |             |             |             |             | D3026-1      | CHANNEL (REMOVED)                          |
|             |             |             |             |             |             |             |             |             | D3234-3      | DOUBLER (REMOVED)                          |
|             |             |             |             |             |             | 1           |             |             | D4575-1      | BEAM (REPLACES D3026-1)                    |
|             |             |             |             |             |             | 1           |             |             | D4575-3      | DOUBLER (NEW)                              |

**WAS:**

| Qty<br>-011 | Qty<br>-013 | Qty<br>-015 | Qty<br>-017 | Qty<br>-019 | Qty<br>-021 | Qty<br>-023 | Qty<br>-041 | Qty<br>-043 | Part Number  | Description                                |
|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|--------------------------------------------|
| X           |             |             |             |             |             |             |             |             | D350-689-011 | DUAL HIGH BACK SEAT<br>INSTALLATION, LH    |
| 1           | X           |             |             |             |             |             |             |             | D350-689-013 | FLOOR PROVISIONS KIT                       |
|             |             | X           |             |             |             |             |             |             | D350-689-015 | SEAT MODIFICATION KIT                      |
|             |             |             | X           |             |             |             |             |             | D350-689-017 | SHOULDER HARNESS KIT                       |
|             |             |             |             | X           |             |             |             |             | D350-689-019 | CONTROL GUARD KIT                          |
|             |             |             |             |             | X           |             |             |             | D350-689-021 | DUAL HIGH BACK SEAT<br>INSTALLATION, LH    |
|             |             |             |             |             | 1           | X           |             |             | D350-689-023 | ENERGY ATTENUATING FLOOR<br>PROVISIONS KIT |
| 1           |             |             |             |             |             |             | X           |             | D350-689-041 | DUAL HIGH BACK SEAT ASSEMBLY               |
|             |             |             |             |             | 1           |             |             | X           | D350-689-043 | DUAL HIGH BACK SEAT ASSEMBLY               |
|             | 1           |             |             |             |             | 1           |             |             | D3026-1      | CHANNEL                                    |
|             | 1           |             |             |             |             | 1           |             |             | D3234-3      | DOUBLER                                    |

CANADA  
DEPARTMENT OF TRANSPORT  
AIRCRAFT CERTIFICATION  
BRANCH  
DAO # 01-O-01**APPROVED**

BY:

D. SHEPHERD (DE # 02)

DATE: 12.11.09  
CERT. NO.: SH02-33  
ISSUE NO.: 1

|            |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|------------|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DESIGN     |          | <b>DART AEROSPACE LTD</b><br>HAWKESBURY, ONTARIO, CANADA<br>DRAWING NO. <b>DSI 9588</b><br>REV. B<br>SHEET 6 OF 6<br>TITLE <b>INSTALLATION CHANGE</b><br>SCALE NTS<br>COPYRIGHT © 2011 BY DART AEROSPACE LTD<br><small>THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD</small> |
| DRAWN      |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| CHECKED    |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| MFG. APPR. | N/A      |                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| APPROVED   |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| DE APPR.   |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| DATE       | 12.11.09 |                                                                                                                                                                                                                                                                                                                                                                                                                                                              |



# REFERENCE ONLY

DART AEROSPACE LTD.

DEC 22 2014

DAS  
46  
Q-RQ

IIN-D350-689

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| Qty<br>-011 | Qty<br>-013 | Qty<br>-015 | Qty<br>-017 | Qty<br>-019 | Qty<br>-021 | Qty<br>-023 | Qty<br>-041 | Qty<br>-043 | Part Number   | Description             |
|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------|-------------------------|
|             | 1           |             |             |             |             | 1           |             |             | D3026-1       | CHANNEL                 |
|             | 1           |             |             |             |             |             |             |             | D3027-1       | CLIP                    |
|             | 1           |             |             |             |             |             |             |             | D3027-3       | CLIP                    |
|             | 1           |             |             |             |             |             |             |             | D3027-5       | CLIP                    |
|             | 4           |             |             |             |             | 4           |             |             | D3027-7       | CLIP                    |
|             |             |             |             |             |             |             | 4           |             | D3028-1       | STUD                    |
|             |             | 2           |             |             |             |             | 2           |             | D3029-1       | SPRING                  |
|             |             | 2           |             |             |             |             | 2           |             | D3030-1       | LOCK                    |
|             |             |             |             |             |             |             | 2           | 2           | D3031-1       | LOOP                    |
|             | 1           |             |             |             |             |             |             |             | D3032-1       | SPACER                  |
|             | 2           | 1           |             |             |             |             |             |             | D3033-1       | SEAT TRACK              |
|             |             | 4           |             |             |             |             |             |             | D3059-1       | STUD                    |
|             |             | 4           |             |             |             |             |             |             | D3060-1       | BUSHING                 |
|             |             | 4           |             |             |             |             |             |             | D3061-1       | RADIUS BLOCK            |
|             |             |             |             | 1           |             |             |             |             | D3084-3       | STRUT                   |
|             | 1           |             |             |             |             |             |             |             | D3234-1       | DOUBLER                 |
|             | 1           |             |             |             |             | 1           |             |             | D3234-3       | DOUBLER                 |
|             | 2           |             |             |             |             |             |             |             | D3234-5       | SPACER                  |
|             |             |             |             |             |             |             |             | 2           | D3808-041     | SEAT RAIL ASSEMBLY      |
|             |             |             |             |             |             |             |             | 4           | D3809-1       | SLIDING BLOCK           |
|             |             |             |             |             |             | 1           |             |             | D3811-041     | SEAT TRACK ASSEMBLY     |
|             |             |             | 2           |             |             |             |             |             | D4071-041     | SHOULDER HARDNESS ASSY  |
|             |             |             |             |             |             |             | 3           | 3           | AN3-12A       | BOLT                    |
|             |             |             |             | 1           |             |             |             |             | AN4-12A       | BOLT                    |
|             |             |             |             | 1           |             |             |             |             | AN4-20A       | BOLT                    |
|             |             |             | 2           |             |             |             |             |             | AN5-4A        | BOLT                    |
|             |             |             |             |             |             |             | 40          | 40          | MS20600AD4W2  | RIVET                   |
|             |             |             |             |             |             |             | 6           | 6           | MS20600AD4W3  | RIVET                   |
|             |             |             |             |             |             | 9           | 17          | 17          | MS21042L3     | NUT (OR MS21042-3)      |
|             |             |             |             | 2           |             |             | 6           | 6           | MS21042L4     | NUT (OR MS21042-4)      |
|             |             | 4           | 2           |             |             |             |             |             | MS21042L5     | NUT (OR MS21042-5)      |
|             | 12          | 4           |             |             |             |             |             |             | MS21059L3     | NUTPLATE                |
|             |             |             |             |             |             |             | 4           | 4           | MS24693-S272  | SCREW                   |
|             | 2           | 1           |             |             |             |             |             |             | MS24693-S273  | SCREW                   |
|             |             |             |             |             |             |             |             | 8           | MS24694-S3    | SCREW                   |
|             |             |             |             |             |             | 9           |             |             | MS24694-S50   | SCREW                   |
|             |             |             |             |             |             |             | 4           |             | MS24694-S148  | SCREW                   |
|             | 6           | 3           |             |             |             |             |             |             | MS27039-1-10  | SCREW                   |
|             |             |             |             |             |             |             | 4           | 4           | MS27039-1-17  | SCREW                   |
|             |             |             |             |             |             |             | 6           | 6           | MS27039-1-19  | SCREW                   |
|             |             |             |             |             |             |             | 6           | 6           | MS27039-4-21  | SCREW                   |
|             | 6           | 3           |             |             |             |             | 17          | 17          | NAS1149D0332J | WASHER (OR AN960JD10L)  |
|             |             |             |             |             |             | 9           |             |             | NAS1149D0363J | WASHER (OR AN960JD10)   |
|             |             |             |             | 8           |             |             |             |             | NAS1149D0416J | WASHER (OR AN960JD416L) |
|             |             |             |             |             |             |             | 6           | 6           | NAS1149D0432J | WASHER (OR AN960JD416)  |
|             |             |             | 4           |             |             |             |             |             | NAS1149D0516J | WASHER (OR AN960JD516L) |
|             |             | 4           |             |             |             |             |             |             | NAS1149D0563J | WASHER (OR AN960JD516)  |
|             |             |             |             | 2           |             |             |             |             | NAS43DD4-46N  | SPACER                  |

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# REFERENCE ONLY

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## 4. WEIGHT AND BALANCE

The following weight and balance information is for the Dart Dual High Back Seat Installation. The weight and balance of the parts that are removed from the aircraft to perform this installation are the responsibility of the installer.

| Installation                                                   | Weight             | LATERAL             |                            | LONGITUDINAL      |                           |
|----------------------------------------------------------------|--------------------|---------------------|----------------------------|-------------------|---------------------------|
|                                                                |                    | Arm                 | Moment                     | Arm               | Moment                    |
| D350-689-011 Dual High Back Seat Installation, Fwd Position    | 27.6 lb<br>12.5 kg | -18.2 in<br>-0.46 m | -502 in-lb<br>-5.8 m-k-g   | 60.7 in<br>1.54 m | 1675 in-lb<br>19.3 m-k-g  |
| D350-689-013 Floor Provisions Kit, Fwd Position                | 2.0 lb<br>0.9 kg   | -18.2 in<br>-0.46 m | -36 in-lb<br>-0.4 m-k-g    | 60.7 in<br>1.54 m | 121 in-lb<br>1.4 m-k-g    |
| D350-689-011 Dual High Back Seat Installation, Aft Position    | 28.1 lb<br>12.7 kg | -18.2 in<br>-0.46 m | -511 in-lb<br>-5.8 m-k-g   | 63.7 in<br>1.62 m | 1790 in-lb<br>20.57 m-k-g |
| D350-689-013 Floor Provisions Kit, Aft Position                | 3.1 lb<br>1.4 kg   | -18.2 in<br>-0.46 m | -56 in-lb<br>-0.6 m-k-g    | 62.2 in<br>1.58 m | 193 in-lb<br>2.2 m-k-g    |
| D350-689-015 Seat Modification Kit                             | 1.0 lb<br>0.5 kg   | -17.2 in<br>-0.44 m | -17 in-lb<br>-0.22 m-k-g   | 60.7 in<br>1.54 m | 61 in-lb<br>0.77 m-k-g    |
| D350-689-017 Shoulder Harness, Fwd Position                    | 4.4 lb<br>2.00 kg  | -18.2 in<br>-0.46 m | -80.1 in-lb<br>-0.92 m-k-g | 60.7 in<br>1.54 m | 267 in-lb<br>3.08 m-k-g   |
| D350-689-017 Shoulder Harness, Aft Position                    | 4.4 lb<br>2.00 kg  | -18.2 in<br>-0.46 m | -80.1 in-lb<br>-0.92 m-k-g | 64.7 in<br>1.64 m | 285 in-lb<br>3.28 m-k-g   |
| D350-689-019 Control Guard, Fwd Position                       | 0.5 lb<br>0.23 kg  | -9.0 in<br>-0.23 m  | -4.5 in-lb<br>-0.05 m-k-g  | 60.7 in<br>1.54 m | 30 in-lb<br>0.35 m-k-g    |
| D350-689-019 Control Guard, Aft Position                       | 0.5 lb<br>0.23 kg  | -9.0 in<br>-0.23 m  | -4.5 in-lb<br>-0.05 m-k-g  | 64.7 in<br>1.64 m | 32 in-lb<br>0.38 m-k-g    |
| D350-689-021 Dual High Seat Back Installation, LH Fwd Position | 29.2 lb<br>13.2 kg | -18.2 in<br>-0.46 m | -531 in-lb<br>-6.1 m-k-g   | 60.7 in<br>1.54 m | 1772 in-lb<br>20.3 m-k-g  |
| D350-689-021 Dual High Seat Back Installation, LH Aft Position | 29.2 lb<br>13.2 kg | -18.2 in<br>-0.46 m | -531 in-lb<br>-6.1 m-k-g   | 64.7 in<br>1.64 m | 1889 in-lb<br>21.6 m-k-g  |
| D350-689-023 Energy Attenuating Floor Provisions Kit           | 2.5 lb<br>1.1 kg   | -18.2 in<br>-0.46 m | -46 in-lb<br>-0.5 m-k-g    | 62.2 in<br>1.58 m | 156 in-lb<br>1.7 m-k-g    |

## 5. PARTS LIST

| Qty -011 | Qty -013 | Qty -015 | Qty -017 | Qty -019 | Qty -021 | Qty -023 | Qty -041 | Qty -043 | Part Number  | Description                             |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|--------------|-----------------------------------------|
| X        |          |          |          |          |          |          |          |          | D350-689-011 | DUAL HIGH BACK SEAT INSTALLATION, LH    |
| 1        | X        |          |          |          |          |          |          |          | D350-689-013 | FLOOR PROVISIONS KIT                    |
|          |          | X        |          |          |          |          |          |          | D350-689-015 | SEAT MODIFICATION KIT                   |
|          |          |          | X        |          |          |          |          |          | D350-689-017 | SHOULDER HARNESS KIT                    |
|          |          |          |          | X        |          |          |          |          | D350-689-019 | CONTROL GUARD KIT                       |
|          |          |          |          |          | X        |          |          |          | D350-689-021 | DUAL HIGH BACK SEAT INSTALLATION, LH    |
|          |          |          |          |          | 1        | X        |          |          | D350-689-023 | ENERGY ATTENUATING FLOOR PROVISIONS KIT |
| 1        |          |          |          |          |          |          | X        |          | D350-689-041 | DUAL HIGH BACK SEAT ASSEMBLY            |
|          |          |          |          |          | 1        |          |          | X        | D350-689-043 | DUAL HIGH BACK SEAT ASSEMBLY            |
|          |          |          |          |          |          |          | 2        | 2        | D3016-041    | SEAT FRAME ASSEMBLY                     |
|          |          |          |          |          |          |          | 1        | 1        | D3017-041    | BACK FRAME ASSEMBLY                     |
| 1        |          |          |          |          | 1        |          |          |          | D3018-1      | SEAT CUSHION                            |
| 1        |          |          |          |          | 1        |          |          |          | D3019-1      | BACK CUSHION                            |
|          |          |          |          |          |          |          | 1        | 1        | D3021-041    | TUBE ASSEMBLY                           |
|          |          |          |          |          |          |          | 1        | 1        | D3022-1      | SEAT PAN                                |
|          |          |          |          |          |          |          | 1        | 1        | D3023-1      | BACK PANEL                              |
|          |          |          |          |          |          |          | 3        | 3        | D3024-1      | SPACER                                  |
|          | 1        |          |          |          |          |          |          |          | D3025-1      | BEAM                                    |

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Revision: B

Date: 11.07.22

Work Order ID 127162

\*127162\*

Page 1

Tuesday, December 09, 2014 3:41:10 PM

Item ID: D350-689-013

Accept

\*N900040100\*

Setup Start \*NS1\*

Revision ID:

Stop \*NS2\*

Item Name: Floor Provisions

3

Start Date: 12/9/2014 Start Qty: 1.00

\*1\*

Cust Item ID:

Required Date: 12/19/2014 Req'd Qty: 1.00

\*1\*

Customer:

Reference:

Approvals:

Process Plan: MVC

Date: 14-12-19

Tooling:

Date:

Run Start \*NR1\*

QC:

Date:

SPC (Y/N):

Date:

Stop \*NR2\*

| Sequence ID/<br>Work Center ID | Operation<br>Description | Set Up/<br>Run Hours | Tool ID | Tool # | Plan<br>Code | Accept<br>Qty | Reject<br>Qty | Reject<br>Number | Insp.<br>Stamp |
|--------------------------------|--------------------------|----------------------|---------|--------|--------------|---------------|---------------|------------------|----------------|
|--------------------------------|--------------------------|----------------------|---------|--------|--------------|---------------|---------------|------------------|----------------|

| Draw Nbr     | Revision Nbr |
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MCS 14-12-19

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Packaging

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Packaging

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